

In the claims:

1. (Original) A method for controlling a vehicle with a braking system having a first fluid line extending between a master cylinder and a brake caliper and a bypass-isolation valve disposed along the first fluid line between the master cylinder and the brake caliper wherein the bypass-isolation valve being moveable from a closed position to an open position in response to a predetermined fluid pressure in the first fluid line, a second fluid line extending from a first position along the first fluid line between the pressure-bypass valve and the master cylinder to a second position along the first fluid line between the pressure-bypass valve and the brake caliper, a fluid pump disposed along the second fluid line, the method comprising the steps of:

pumping fluid to the brake caliper with the pump to execute a controlled brake event wherein fluid pressure at the brake caliper is increased to a desired pressure; and characterized by

discontinuing the pumping during the controlled brake event substantially immediately prior to the fluid pressure in the first fluid line reaching the predetermined pressure and prior to the bypass-isolation valve opening and prior to completion of the controlled brake event.

2. (Original) The method of claim 1 including the steps of:
disposing a prime valve along the second fluid line between the fluid pump and the first position; and
biasing the prime valve to a closed position.

3. (Original) The method of claim 2 including the steps of:
closing the bypass-isolation valve prior to the pumping step; and
opening the prime valve prior to the pumping step.

4. (Original) The method of claim 3 including the steps of:
sensing a first fluid pressure sensor along the first fluid line; and
controlling the pump in response to the sensing step.

5. (Original) The method of claim 4 including the steps of:
extending a third fluid line from a third position disposed along the first fluid line between the second position and the brake caliper to a first position along the second fluid line between the pump and the prime valve;

disposing a bypass-apply valve along the first fluid line between the brake caliper and the sensor;

disposing a release valve along the third fluid line between the first position and the third position; and

disposing a fluid accumulator along the third fluid line between the first position and the release valve.

6. (New) The method of claim 1 including the steps of:
second pumping fluid to the brake caliper with the pump after said discontinuing step and prior to completion of the controlled brake event; and
second discontinuing the pumping during the controlled brake event prior to the fluid pressure in the first fluid line reaching the desired pressure and the predetermined pressure and prior to the bypass-isolation valve opening.

7. (New) The method of claim 1 wherein said pumping step is further defined as:
pulsing the pump during the controlled brake event to provide fluid to the brake caliper as needed without forcing the isolation valve open.

8. (New) The method of claim 1 wherein said pumping step further comprises the step of:
supplying electrical power to a motor of the pump for a predetermined period of time.

9. (New) The method of claim 8 wherein said supplying step further comprises the step of:
selecting the predetermined period of time to be a minimum amount of time required to insure that the motor spins and that the pump begins the movement of fluid.